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CLAIMS:

What is claimed is:

- 1 1. A method in a data processing system for processing
2 a Java server page, the method comprising:
3 translating the Java server page into a document
4 object model object;
5 configuring a set of visitor classes for invocation
6 in a selected sequence; and
7 processing the document object model using the set
8 of visitor classes in the selected sequence to perform a
9 desired set of custom functions on the document object
10 model.
- 1 2. The method of claim 1 further comprising:
2 validating syntax in the Java server page.
- 1 3. The method of claim 1, wherein the set of visitor
2 classes for invocation in the selected sequence is
3 defined in a configuration file.
- 1 4. The method of claim 3, wherein the configuration
2 file is an extensible markup language file.
- 1 5. The method of claim 3, wherein the selected sequence
2 is defined in the configuration file.
- 1 6. The method of claim 1, wherein
2 the document object model object includes a set of nodes
3 and wherein the processing step includes:
4 invoking methods in the set of visitor classes on
5 each node in the set of nodes in the selected sequence.

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1 7. The method of claim 1 further comprising:
2 storing results, as processing the document object
3 model object occurs by selected method in the methods, in
4 a hash map, wherein the results in the hash map are used
5 by subsequently invoked methods.

1 8. The method of claim 1, wherein the java server page
2 is translated into a document object model object using a
3 document object model generator.

1 9. The method of claim 2, wherein the Java server page
2 is validated using a Java server page translator.

1 10. The method of claim 9, wherein the Java server page
2 translator invokes a visitor class to validate elements
3 in the document object model object against a syntax for
4 a Java server page specification.

1 11. The method of claim results from processing by a
2 first visitor class in the set of visitor classes are
3 passed to a second visitor class in the set of visitor
4 classes.

1 12. A data processing system for processing a Java /
2 server page, the data processing system comprising:
3 translating means for translating the Java server
4 page into a document object model object;
5 configuring means for configuring a set of visitor
6 classes for invocation in a selected sequence; and
7 processing means for processing the document object
8 model using the set of visitor classes in the selected

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9 sequence to perform a desired set of custom functions on
10 the document object model.

1 13. The data processing system of claim 12 further
2 comprising:
3 validating means for validating syntax in the Java
4 server page.

1 14. The data processing system of claim 12, wherein the
2 set of visitor classes for invocation in the selected
3 sequence is defined in a configuration file.

1 15. The data processing system of claim 14, wherein the
2 configuration file is an extensible markup language file.

1 16. The data processing system of claim 14, wherein the
2 selected sequence is defined in the configuration file.

1 17. The data processing system of claim 12, wherein
2 the document object model object includes a set of nodes
3 and wherein the processing means includes:
4 means for invoking methods in the set of visitor
5 classes on each node in the set of nodes in the selected
6 sequence.

1 18. The data processing system of claim 12 further
2 comprising:
3 storing means for storing results, as processing the
4 document object model object occurs by selected method in
5 the methods, in a hash map, wherein the results in the
6 hash map are used by subsequently invoked methods.

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1 19. The data processing system of claim 12, wherein the
2 java server page is translated into a document object
3 model object using a document object model generator.

1 20. The data processing system of claim 13, wherein the
2 Java server page is validated using a Java server page
3 translator.

1 21. The data processing system of claim 20, wherein the
2 Java server page translator invokes a visitor class to
3 validate elements in the document object model object
4 against a syntax for a Java server page specification.

1 22. The data processing system of claim 1, wherein
2 results from processing by a first visitor class in the
3 set of visitor classes are passed to a second visitor
4 class in the set of visitor classes.

1 23. A computer program product in computer readable
2 medium for processing a Java server page, the computer
3 program product comprising:
4 first instructions for translating the Java server
5 page into a document object model object;
6 second instructions for configuring a set of visitor
7 classes for invocation in a selected sequence; and
8 third instructions for processing the document
9 object model using the set of visitor classes in the
10 selected sequence to perform a desired set of custom
11 functions on the document object model.

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1 24. The computer program product of claim 23 further
2 comprising:
3 fourth instructions for validating syntax in the
4 Java server page.

1 25. The computer program product of claim 23, wherein
2 the set of visitor classes for invocation in the selected
3 sequence is defined in a configuration file.

1 26. The computer program product of claim 25, wherein
2 the configuration file is an extensible markup language
3 file.

1 27. The computer program product of claim 25, wherein
2 the selected sequence is defined in the configuration
3 file.

1 28. The computer program product of claim 23, wherein
2 the document object model object includes a set of nodes
3 and wherein the third instructions includes:
4 sub instructions for invoking methods in the set of
5 visitor classes on each node in the set of nodes in the
6 selected sequence.

1 29. The computer program product of claim 23 further
2 comprising:
3 fourth instructions for storing results, as
4 processing the document object model object occurs by
5 selected method in the methods, in a hash map, wherein
6 the results in the hash map are used by subsequently
7 invoked methods.

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1 30. The computer program product of claim 23, wherein
2 the java server page is translated into a document object
3 model object using a document object model generator.

1 31. The computer program product of claim 24, wherein
2 the Java server page is validated using a Java server
3 page translator.

1 32. The computer program product of claim 31, wherein
2 the Java server page translator invokes a visitor class
3 to validate elements in the document object model object
4 against a syntax for a Java server page specification.

1 33. The computer program product of claim 23, wherein
2 results from processing by a first visitor class in the
3 set of visitor classes are passed to a second visitor
4 class in the set of visitor classes.

1 34. A data processing system for processing a Java
2 server page, the data processing system comprising:
3 a bus system;
4 a memory connected to the bus system, wherein the
5 memory includes a set of instructions;
6 a processing unit connected to the bus system,
7 wherein the processing unit executes the set of
8 instructions to translate the Java server page into a
9 document object model object; configure a set of visitor
10 classes for invocation in a selected sequence; and
11 process the document object model using the set of
12 visitor classes in the selected sequence to perform a

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- 13 desired set of custom functions on the document object
- 14 model.